Datasheet for ABIN272297

anti-DFFA antibody

2 Images

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Overview

Quantity:	0.1 mg
Target:	DFFA
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DFFA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of ICAD protein. (region surrounding Gln177)
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Purity:	> 95 % pure by SDS-PAGE

Target Details

Target:	DFFA
Alternative Name:	DFFA / ICAD (DFFA Products)
Background:	The CED/ICE family of cysteine proteases plays a pivotal role in mediating apoptosis through

Target Details

	the proteolysis of specific targets. Among the targets are poly (ADP-ribose) polymerase (PARP), gelsolin, DFF-45/ICAD and the nuclear lamins. PARP is a 112 kDa nuclear protein that is specifically cleaved by CPP32 and Mch2, but not by ICE, into a signature 85 kDa apoptotic fragment. Gelsolin is cleaved by CPP32 to an active form that severs actin filaments in a Ca++-independent manner. In addition to binding actin, gelsolin can form complexes with fibronectin, which may be important for localizing gelsolin to inflammatory sites. DFF-45/ICAD, the 45 kDa subunit of DNA fragmentation factor, is cleaved by CPP32 to generate an active factor that induces DNA fragmentation. The 70 kDa nuclear Lamin A is cleaved by Mch2, but not CPP32. Nuclear Lamin B is fragmented as a consequence of apoptosis by an unidentified member of the ICE family.Synonyms: DFF-45, DFF1, DFF45, DNA fragmentation factor 45 kDa subunit, DNA fragmentation factor subunit alpha, Inhibitor of CAD
Molecular Weight:	approx. 36 kDa
Gene ID:	13347
NCBI Accession:	NP_034174
UniProt:	O54786
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	ELISA: 1: 20000approx. 1: 40000. WB: 1: 500approx. 1: 1000. IHC: 1: 50approx. 1: 200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1,0 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.2., 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	DO NOT FREEZE!
Storage:	4 °C

Handling

Storage Comment:	Store the antibody undiluted at 2-8 °C.

Images

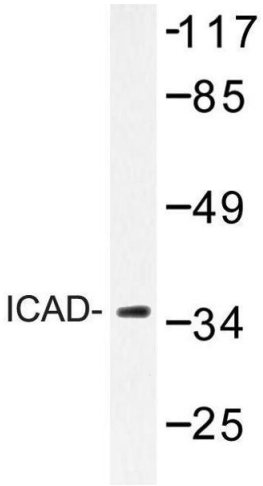

Image 1.

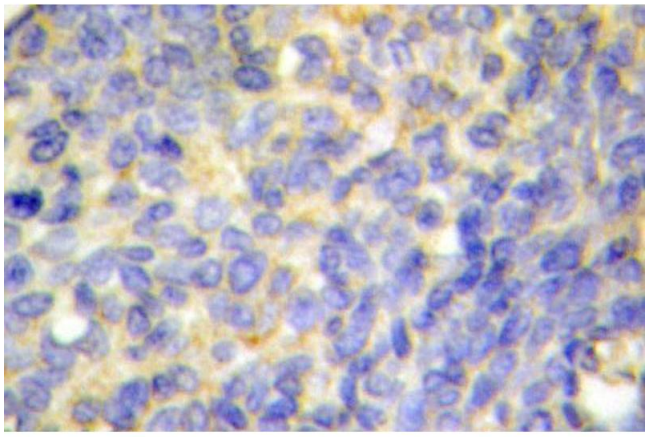

Image 2.